ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/06 Date Received: 08/01/06

Project: Filter Dust #4626, PO# M99406, F&BI 608006

Date Extracted: 08/02/06 Date Analyzed: 08/02/06

RESULTS FROM THE ANALYSIS OF THE SOLID SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

	Surrogate
Sample ID Gasoline Diesel	<u>Heavy Oil</u> (% Recovery)
Laboratory ID	(Limit 50-150)
회가 조계가 되었는 것이 있는 것이 모든 사람들이 생각하	트립일 등 교통을 통일하는 경기를 가입니다.
M99406 d ND ND	\mathbf{D}_{i}
	The differential adiabatic at the colline at the call from
Method Blank ND ND	ND 79.
[문화시간 : 5시간[[전: 10] : 10] : [[10] : [10]	그렇게 되는 이 병에 들어 들어가 되었다. 얼마 그렇게 하면 하는 것이 하는 것이 되었다. 그렇게 하는 이 이 아니라는 것이다.

ND - Material not detected at or above 100 mg/kg gas, 250 mg/kg diesel and 1,250 mg/kg heavy oil.

d - The sample was diluted.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/06 Date Received: 08/01/06

Project: Filter Dust #4626, PO# M99406, F&BI 608006

Date Extracted: 08/03/06 Date Analyzed: 08/04/06

RESULTS FROM THE ANALYSIS OF A SOLID SAMPLE FOR FINGERPRINT CHARACTERIZATION BY INDUCTIVELY COUPLED PLASMA (ICP) MASS SPECTROSCOPY

Samples Processed Using Method 3050

The Metals Were Found at the Approximate Levels Indicated Results Reported as µg/g (ppm)

Sample ID: M99406

Laboratory ID: 608006-01

Aluminum	31,000 ppm	Nickel	38,000 ppm
Antimony	<200 ppm	Palladium	<200 ppm
Arsenic	360 ppm	Phosphorous	2,100 ppm
Barium	<200 ppm	Platinum	<200 ppm
Beryllium	<200 ppm	Rhenium	<200 ppm
Boron	1,200 ppm	Selenium	<200 ppm
Cadmium	<200 ppm	Silicon	<10,000 ppm
Calcium	10,000 ppm	Silver	<200 ppm
Chromium	32,000 ppm	Sodium	<200 ppm
Cobalt	650 ppm	Strontium	<200 ppm
Copper	26,000 ppm	Thallium	<200 ppm
Gold	<200 ppm	Tin	1,000 ppm
Iron	190,000 ppm	Titanium	1,000 ppm
Lead	<200 ppm	Vanadium	200 ppm
Magnesium	400 ppm	Zinc	$1,600~\mathrm{ppm}$
Manganese	6,700 ppm	Zirconium	<200 ppm
Mercury	<200 ppm		
Molybdenum	10,000 ppm	는 시간이 가루가 모두게 걸었다.	그 얼마는 이렇게 다

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 16, 2006

DUPLICATE COPY

INVOICE # 06ACU0816-2

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Filter Dust #4626, PO# M99406, F&BI 608006 - Results of testing requested by Gerry Thompson for material submitted on August 1, 2006.

1 sample analyzed for HCID	
by Method NWTPH-HCID @ \$40 per sample \$	40.00
1 sample analyzed for Metals Scan	ggirson) (Fig.)
by Method 200.8 @ \$200 per sample	200.00
Amount Due	240.00

FEDERAL TAX ID #(b) (6)

AI2

608006			SAM	IPLE CHAI	N OF C	UST	OL	Y		Μi	_	08	//	11	06	2		AJ	Γ2
Send Report To CIERALD Thanpoon Company Alaskan Copper Works Address 628 S. Handond ST				PROJECT NAME/NO. # PO# Filer List 4626 M9740(TURNAROUND TIME Standard (2 Weeks) RUSH Rush charges authorized by:						
City, State, ZIP Several Phone # 26 30	8 ωA Fax# <u>7</u> 06	- 9813 -382 -\$ 30	19	REMARKS	WITH	. 72	ತಾ	r4-2						□ R □ V	oispos Leturn Vill ca	e afte 1 sam	E DISPO er 30 day ples th instru	s	
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	3260	SVOCs by 8270 Z	LYSE		Metals Scan and	STE	D		N	otes	
m 99 606	OF	8/1/06	1:20	Spa	1						•	X,	X						
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Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029	Relinquished by:			PRINT NAME G. Taupon Michael Erchhl							COMPANY ACW FEBIL					8-1-06		TIME 2:17-0 L	
Ph. (206) 285-8282 Fax (206) 283-5044 FORMS COCK COC DOC	Relinquished by:	y:	(.1										

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 16, 2006

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 1, 2006 from the Filter Dust #4626, PO# M99406, F&BI 608006 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU0816R